

Divyat Mahajan

Department of Computer Science and Engineering

Indian Institute of Technology Kanpur, India

Email: divyatm@iitk.ac.in

I am fourth year undergraduate at Indian Institute of Technology Kanpur. I have interest in application of mathematics to create solutions for real life problems. My current research interests lie in Machine Learning, Natural Language Processing and Convex Optimisation.

Education

Matriculation	2011-2012	St. Stephens Sn. Sec. School Chamba	94.7 %
Intermediate	2013-2014	St. Stephens Sn. Sec. School Chamba	89.2 %
BTech	2014-2019	Indian Institute of Technology, Kanpur	8.7

Course details

Semester	Total credits	Highlights
Aug 2014 - Dec 2014	50	ESC-101
Jan 2015 - Apr 2015	49	MTH-102
Aug 2015 - Dec 2015	51	ESO-207
Jan 2016 - Apr 2016	59	MSO-201
Aug 2016 - Dec 2016	51	CS-771
Jan 2017 - Apr 2017	53	CS-220
Aug 2017 - Dec 2017	49	CS-772

Skills

Computer Science : Machine Learning, Algorithms, Complexity Theory, Computer Organisation
Programming Languages : C, C++, Python, MATLAB, MIPS, Verilog, Scripting languages (bash, awk)

Projects

- Summer Intern**(*May 2017-July 2017*) under *Prof. Wynne Hsu*, National University of Singapore
Worked on building **Recommender System** that predicts Side Effects on usage of Drug for a Patient
Did **Web Crawling** to make datasets and performed Baseline Evaluations using **Matrix Factorization**
Worked on feature extraction, selection and parameter tuning for the **Random Forest Regression Model**
Implemented a **Deep Learning Model** to learn better Latent Features
- Summer Intern**(*June 2016-July 2016*) under *Prof. Vincent Ng*, University of Texas at Dallas.
Worked on predicting Stance for Tweets against a Target using machine learning algorithms
Read research papers on **Sentiment Analysis** and **Stance Classification**
Generated feature vectors using **Bag of Words** approach and used **Support Vector Machine**

Awards and achievements

- Secured All India Rank **1940** in JEE-Advanced 2014 out of 150,000 students with Percentile **98.71**
- Secured Rank **1** in State Mathematics Olympiad 2012 organized by Children Science Congress

Hobbies

- Sports: Squash, Cricket
- Music: Synthesizer, Flute
- Other: Volunteering in NGO, Departmental Newsletter Publishing